

Tropical Cyclone (TC) 28S (Manou)*



First Poor : 1800Z 28 Apr 03

First Fair : 1400Z 01 May 03

First TCFA : 0400Z 03 May 03

First Warning : 1200Z 03 May 03

Last Warning : 1800Z 10 May 03, Dissipated

Max Intensity : 75 kts, gusts to 90 kts

Landfall : None

Total Warnings : 15 plus 1 Amended Warning

Remarks:

(1) Tropical cyclone (TC) 28S developed approximately 240 nm southwest of Diego Garcia on 28 April, 2003 and cyclone intensified slowly during the first 48 hours after the initial warning. It peaked at 45 knots, then weakened to 35 knots around 0000Z on 06 May. TC 28S then slowly tracked southwestward, toward Madagascar, and reached a maximum intensity of 75 knots and maintained this intensity for 24 hours as it approached the mountainous coastline. It slowed drastically as it approached Madagascar and then turned poleward.

While it did not make landfall, TC 28S spent more than 12 hours within a few miles of the coast of Madagascar as it moved slowly southward along the coast at intensities from 65 to 75 knots. TC 28S finally dissipated over open water and the last warning was issued at 1800Z on 10 May, 2003.

(2) Reports indicated that there were 70 fatalities, 19 persons were missing, and 85 were injured. Further reports indicated 24,500 homes were destroyed, leaving 47,500 people homeless, with damage to infrastructure on Madagascar as a result of this cyclone.

*Named by WMO designated RSMC

Statistics for JTWC on TC28S

Statistics for JTWC on TC28S																				
DTG	WRN	BEST TRACK		wind	POSITION ERRORS								WIND ERRORS							
	NO.	LAT	LONG		00	12	24	36	48	72	96	120	00	12	24	36	48	72	96	120
03050200		11.0S	65.7E	25																
03050206		11.1S	65.3E	25																
03050212		11.3S	65.0E	25																
03050218		11.6S	64.7E	25																
03050300		12.1S	64.4E	25																
03050306		12.8S	64.0E	30																
03050312	1	13.7S	63.4E	35	25	61	55	74	108				0	0	15	30	45			
03050400	2	15.0S	61.8E	45	25	63	111	127	156				5	15	25	40	60			
03050412	3	15.6S	60.7E	45	0	26	55	73	129				0	10	25	40	50			
03050500	4	16.1S	59.4E	45	33	50	82	95	137				0	15	30	35	40			
03050512	5	16.2S	58.1E	40	17	32	69	123	174				0	5	0	0	-10			
03050600	6	16.8S	56.9E	35	0	21	48	85	118				0	0	0	-10	-20			
03050612	7	17.5S	55.2E	35	18	55							-5	-10						
03050618	7A	17.9S	54.3E	35	5	27	60	92	103				5	-5	-20	-30	-40			
03050706	8	18.3S	52.6E	45	11	21	38	28	94				0	-5	-15	-35	-50			
03050718	9	18.7S	51.2E	55	5	34	23	8	54				0	-5	-20	-25	-25			
03050806	10	19.1S	49.8E	65	5	49	82	81	66				0	0	-30	-5	20			
03050818	11	19.3S	49.2E	75	0	34	72	93	123				0	-15	-10	20	35			
03050906	12	19.5S	49.0E	75	0	13	13	90					0	10	35	45				
03050918	13	20.0S	48.9E	60	5	31	102						-5	0	20					
03051006	14	21.0S	48.9E	40	12	23							0	5						
03051018	15	22.9S	48.9E	30	26								0							
			AVERAGE		12	36	62	81	115				1	7	19	26	36			
			BIAS										0	1	4	9	10			
			# CASES		16	15	13	12	11				16	15	13	12	11			

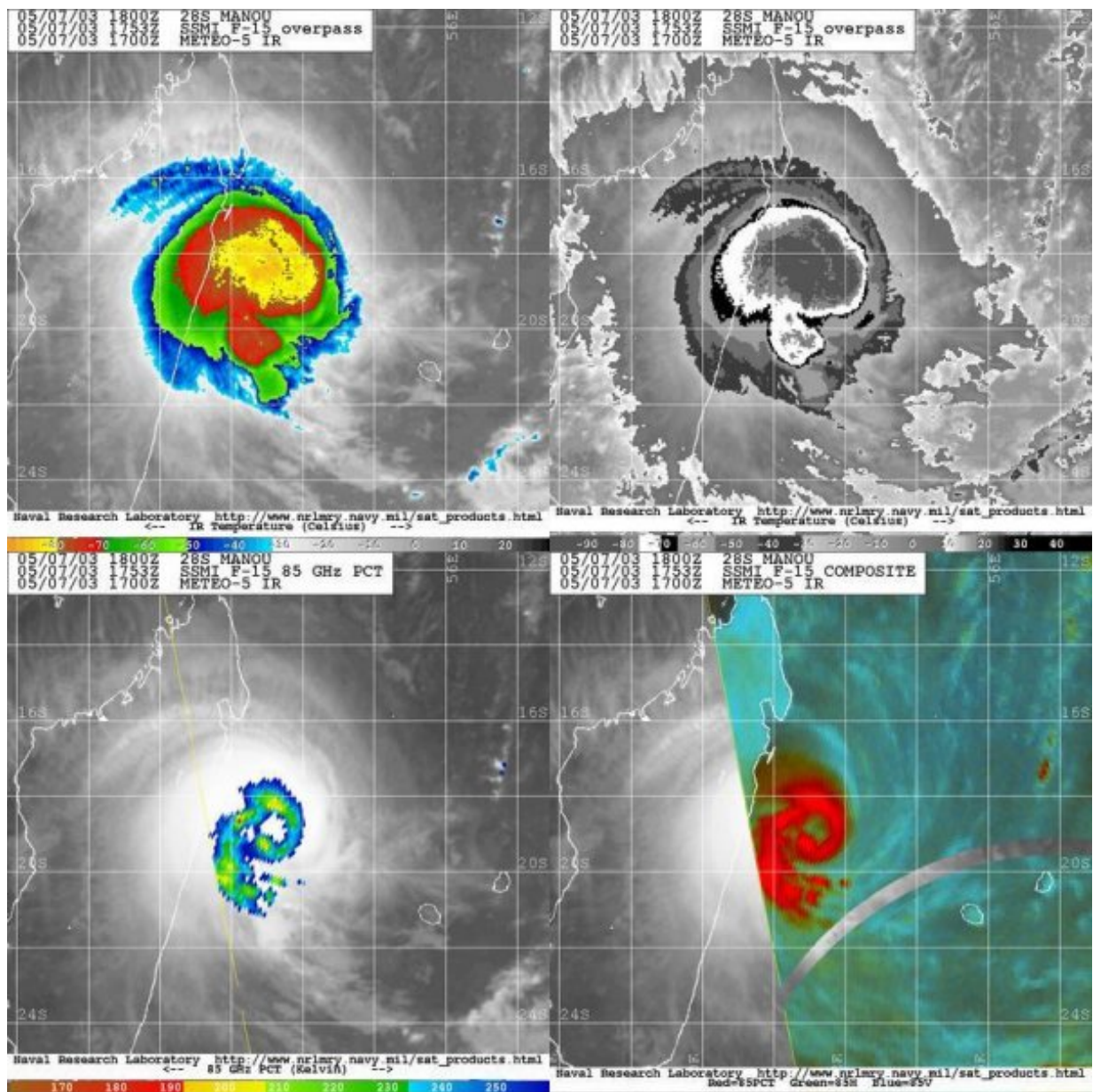


Figure 2-28S-1. 071753Z May 2003 multi-sensor satellite images of TC 28S (Manou), located off the east coast of Madagascar, with a maximum intensity of 75 knots.

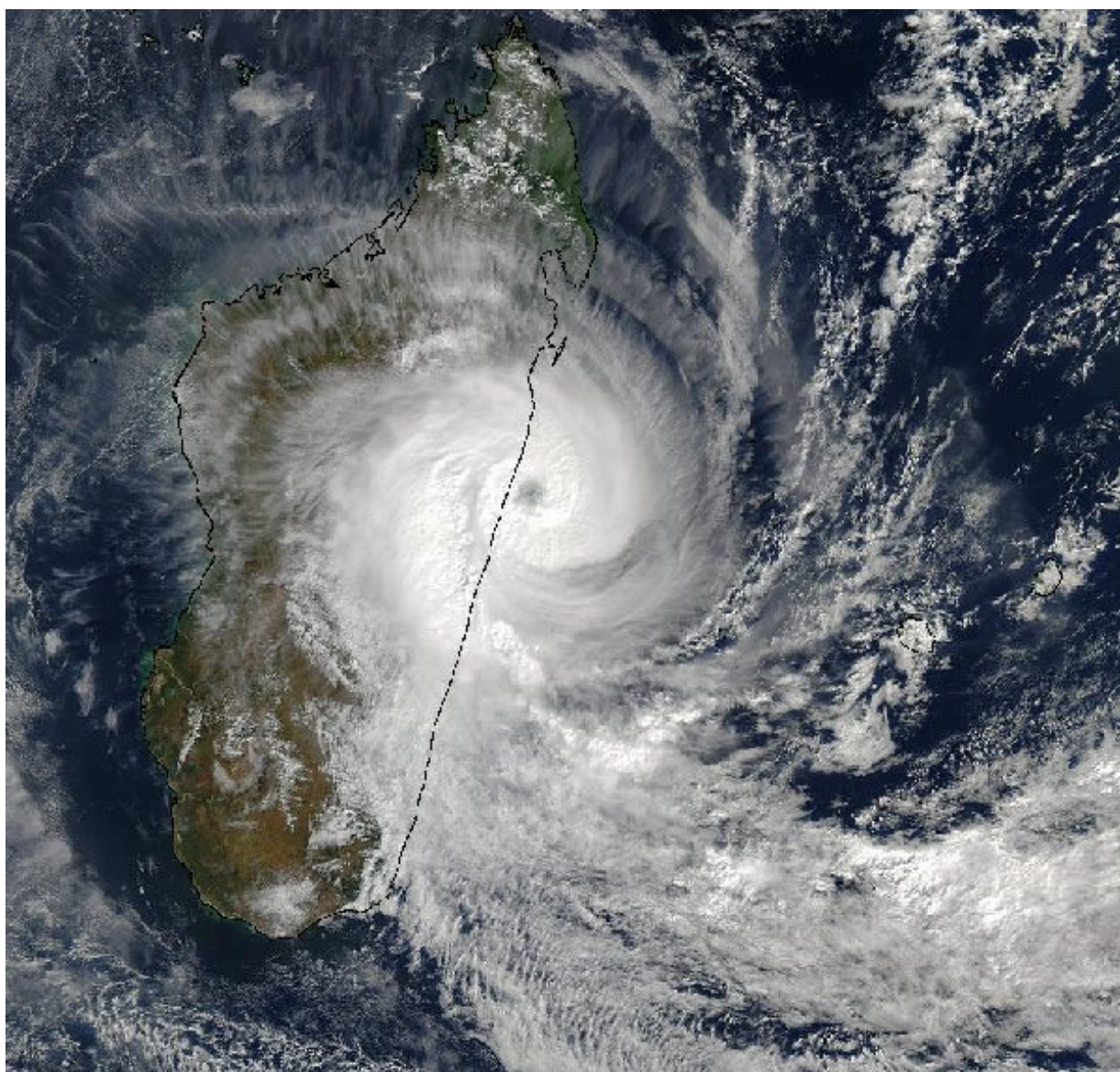
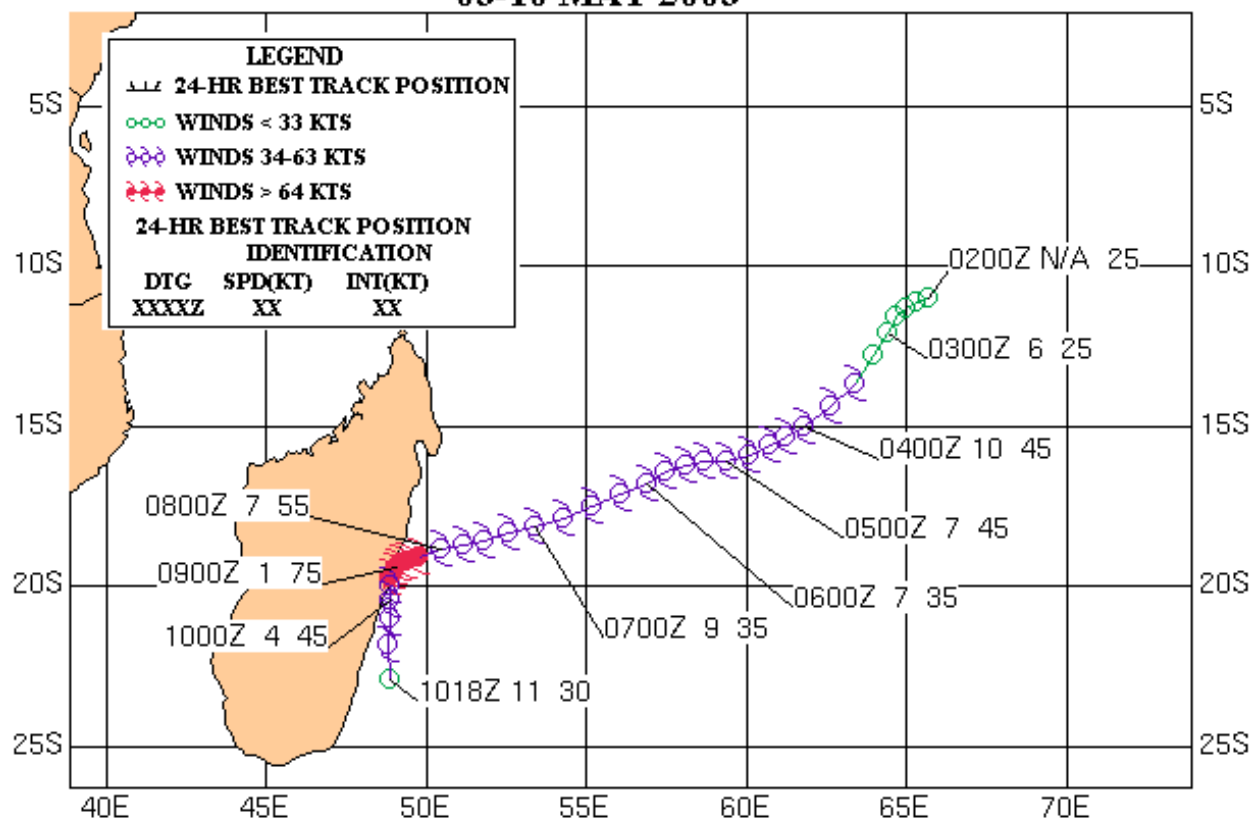


Figure 2-28S-2. 081020Z May 2003 MODIS true-color image of TC 28S (Manou), located off the coast of Madagascar, with a maximum intensity of 75 knots.

TROPICAL CYCLONE 28S (MANOU)

03-10 MAY 2003



Time Intensity for 28S

Intensity (kts)

